

Claims:

1. A temperature controlled arrangement for housing an optical component, comprising:
 - a package having an enclosure through which a plurality of electrical connections extend;
 - at least one optical component located in the enclosure and electrically connected to at least one of the electrical connections;
 - a first thermoelectric cooler located in the enclosure and in thermal conduction with the optical component;
 - a temperature sensor located in the enclosure and electrically connected to at least one of the electrical connections; and
 - a second thermoelectric cooler located external to the enclosure and in thermal conduction with the enclosure.
2. The arrangement of claim 1 wherein at least one of the plurality of electrical connections electrically connects the first and second thermoelectric coolers.
3. The arrangement of claim 2 wherein the first and second thermoelectric coolers are electrically connected in series.
4. The arrangement of claim 2 wherein the first and second thermoelectric coolers are electrically connected in parallel.
5. The arrangement of claim 1 further comprising a temperature controller operatively controlling the first and second thermoelectric coolers.
6. The arrangement of claim 2 further comprising a temperature controller operatively controlling the first and second thermoelectric coolers.
7. The arrangement of claim 3 further comprising a temperature controller operatively controlling the first and second thermoelectric coolers.

8. The arrangement of claim 1 wherein the optical component is a laser diode.
9. The arrangement of claim 1 further comprising a thermal conducting element in contact with an outer surface of the enclosure and a first surface of the second thermoelectric cooler.
10. The arrangement of claim 1 further comprising a heatsink in contact with a second surface of the second thermoelectric cooler.
11. The arrangement of claim 5 wherein said temperature controller is a proportional controller.
12. The arrangement of claim 6 wherein said temperature controller is a proportional controller.
13. The arrangement of claim 1 wherein said temperature sensor is a thermistor.